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L13 and (sulfone adj amide or sulfonic adj acid adj ester or carboxylic adj acid adj ester or carboxylic adj acid adj amide) and L13	34

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L14

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Search History

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<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
side by side			
<i>DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L14</u>	113 and (sulfone adj amide or sulfonic adj acid adj ester or carboxylic adj acid adj ester or carboxylic adj acid adj amide) and 113	34	<u>L14</u>
<u>L13</u>	(pesticid\$ or microbi\$ or insecticid\$ or bacteri\$ or fungicid\$) and L12	337	<u>L13</u>
<u>L12</u>	(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) and L8	3548	<u>L12</u>
<u>L11</u>	(sulfone adj amide or sulfonic adj acid adj ester or carboxylic adj acid adj ester or carboxylic adj acid adj amide) and 110	0	<u>L11</u>
<u>L10</u>	(pesticid\$ or microbi\$ or insecticid\$ or bacteri\$ or fungicid\$) and L9	32	<u>L10</u>
<u>L9</u>	(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) same micron\$ and L8	317	<u>L9</u>
<u>L8</u>	(polyamide or polyacetal) same polymer\$	79429	<u>L8</u>
<u>L7</u>	(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) same micron\$ and L2	0	<u>L7</u>

<u>L6</u>	L5	0	<u>L6</u>
<i>DB=PGPB; PLUR=YES; OP=OR</i>			
<u>L5</u>	(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) same micron\$ and L2	5	<u>L5</u>
<u>L4</u>	micron\$ and L3	111	<u>L4</u>
<u>L3</u>	(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) and L2	239	<u>L3</u>
<u>L2</u>	(pesticid\$ or microbi\$ or insecticid\$ or bacteri\$ or fungicid\$) and L1	2993	<u>L2</u>
<u>L1</u>	(polyamide or polyacetal) same polymer\$	14143	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) same micron\$ and L2	5

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Search:

L5

Search History

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Set Name	Query	Hit Count	Set Name result set
<i>DB=PGPB; PLUR=YES; OP=OR</i>			
<u>L5</u>	(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) same micron\$ and L2	5	<u>L5</u>
<u>L4</u>	micron\$ and L3	111	<u>L4</u>
<u>L3</u>	(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) and L2	239	<u>L3</u>
<u>L2</u>	(pesticid\$ or microbi\$ or insecticid\$ or bacteri\$ or fungicid\$) and L1	2993	<u>L2</u>
<u>L1</u>	(polyamide or polyacetal) same polymer\$	14143	<u>L1</u>

END OF SEARCH HISTORY

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-
- ☐ 1. [20040034158](#). 12 Jun 03. 19 Feb 04. Coating composition having polyvinyl chloride extender particles. Reuter, James M., et al. 524/567; C08K003/00.
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- ☐ 2. [20040024104](#). 07 Jul 03. 05 Feb 04. Absorbents and process for producing the same, absorbable constructs and absorbable articles. Ota, Yoshihisa, et al. 524/492; C08K003/34.
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- ☐ 4. [20030127393](#). 21 Jun 02. 10 Jul 03. Nanosize electropositive fibrous adsorbent. Tepper, Frederick, et al. 210/656; 210/263 210/510.1 210/660 436/161 436/178 B01D015/08.
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- ☐ 5. [20020183729](#). 22 Jul 02. 05 Dec 02. Phototherapeutic wave guide apparatus. Farr, Norman E., et al. 606/15; A61B018/20.
-

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Terms	Documents
(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) same micron\$ and L2	5

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Term:

(pesticid\$ or microbi\$ or insecticid\$ or bacteri\$
 or fungicid\$) and L9

 Display: Documents in Display Format: Starting with Number

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DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L10	(pesticid\$ or microbi\$ or insecticid\$ or bacteri\$ or fungicid\$) and L9	32	L10
L9	(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) same micron\$ and L8	317	L9
L8	(polyamide or polyacetal) same polymer\$	79429	L8
L7	(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) same micron\$ and L2	0	L7
L6	L5	0	L6
DB=PGPB; PLUR=YES; OP=OR			
L5	(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) same micron\$ and L2	5	L5
L4	micron\$ and L3	111	L4
L3	(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) and L2	239	L3
L2	(pesticid\$ or microbi\$ or insecticid\$ or bacteri\$ or fungicid\$) and L1	2993	L2
L1	(polyamide or polyacetal) same polymer\$	14143	L1

Refine Search

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Search Results -

Terms	Documents
(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) same micron\$ and L8	317

Database:

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 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

(titinate or silica or wollastonite or
 zonotlite) same (fiber\$ or fibrous)
 same micron\$ and L8

Refine Search

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Search History

DATE: Tuesday, May 11, 2004 [Printable Copy](#) [Create Case](#)

Set Name	Query	Hit Count	Set Name result set
DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L9	(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) same micron\$ and L8	317	L9
L8	(polyamide or polyacetal) same polymer\$	79429	L8
L7	(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) same micron\$ and L2	0	L7
L6	L5	0	L6
DB=PGPB; PLUR=YES; OP=OR			
L5	(titinate or silica or wollastonite or zonotlite) same (fiber\$ or fibrous) same micron\$ and L2	5	L5
L4	micron\$ and L3	111	L4

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Search Results - Record(s) 1 through 10 of 32 returned.

- ☐ 1. 6051315. 04 Feb 98; 18 Apr 00. Optical fiber cable assembly and method of reducing water wicking in the same. Girgis; Mikhail M.. 428/377; 428/36.3 428/378 428/380. D02G003/00.
- ☐ 2. 6004676. 01 Sep 95; 21 Dec 99. Optical fiber cable assembly. Girgis; Mikhail M.. 428/388; 428/375 428/378 428/391 428/392. B32B009/00.
- ☐ 3. 5925462. 20 Jan 98; 20 Jul 99. Aqueous coating compositions for glass fibers, fiber strands coated with such compositions and optical fiber cable assemblies including such fiber strands. Girgis; Mikhail M.. 428/392; 385/103 385/128 428/375 428/378 428/379. B32B009/00 D02G003/00 G02B006/02.
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- ☐ 5. 5856245. 07 Jun 95; 05 Jan 99. Articles of barrier webs. Caldwell; J. Michael, et al. 442/76; 128/849 128/888 424/404 442/123 442/152 442/153 442/164 442/79 602/48 602/50 604/372 604/374 604/377. A61F013/00.
- ☐ 6. 5827612. 01 Sep 95; 27 Oct 98. Aqueous coating compositions for glass fibers, fiber strands coated with such compositions and optical fiber cable assemblies including such fiber strands. Girgis; Mikhail M.. 428/378; 427/407.1 427/407.3 427/413 428/375 428/392 428/394. D02G003/00.
- ☐ 7. 5803086. 02 Dec 96; 08 Sep 98. Linerless surgical incise drape. Scholz; Matthew T., et al. 128/849; 128/851. A61B019/00.
- ☐ 8. 5748437. 28 May 96; 05 May 98. Fluid separation system with flow-through capacitor. Andelman; Marc D.. 361/302; 204/600 204/647 204/671 210/198.2 210/656. H01G004/35 B01D015/08.
- ☐ 9. 5547581. 11 May 95; 20 Aug 96. Method of separating ionic fluids with a flow through capacitor. Andelman; Marc D.. 210/656; 204/450 204/600 205/742 210/198.2 210/747. B01D015/08.
- ☐ 10. 5415768. 10 Feb 94; 16 May 95. Flow-through capacitor. Andelman; Marc D.. 210/198.2; 204/600 204/647 210/243 210/541 210/656. B01D015/08.

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Terms	Documents
(pesticid\$ or microbi\$ or insecticid\$ or bacteri\$ or fungicid\$) and L9	32

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L10: Entry 1 of 32

File: USPT

Apr 18, 2000

US-PAT-NO: 6051315

DOCUMENT-IDENTIFIER: US 6051315 A

TITLE: Optical fiber cable assembly and method of reducing water wicking in the same

DATE-ISSUED: April 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Girgis; Mikhail M.	Wexford	PA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
PPG Industries Ohio, Inc.	Cleveland	OH			02

APPL-NO: 09/ 018749 [PALM]

DATE FILED: February 4, 1998

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This is a continuation of U.S. patent application Ser. No. 08/522,782, now U.S. Pat. No. 6,004,676 which is a continuation-in-part of U.S. patent application Ser. No. 08/081,045, filed Jun. 22, 1993, abandoned, which is a continuation-in-part of U.S. patent application Ser. No. 07/900,034, filed Jun. 17, 1992, now abandoned. This application is related to copending U.S. Patent Application entitled "Aqueous Coating Compositions For Glass Fibers, Fiber Strands Coated With Such Compositions And Optical Fiber Cable Assemblies Including Such Fiber Strands" of Mikhail M. Girgis filed concurrently with the present application.

INT-CL: [07] D02 G 3/00

US-CL-ISSUED: 428/377; 428/380, 428/378, 428/36.3

US-CL-CURRENT: 428/377; 428/36.3, 428/378, 428/380

FIELD-OF-SEARCH: 428/195, 428/378, 428/34.1, 428/36.3, 428/377, 428/380, 427/389.9, 427/393.4, 427/175, 427/389, 523/222, 523/523, 523/527, 524/591, 524/555, 524/507, 524/457, 524/494, 524/495, 524/501, 525/170, 525/176, 525/194, 525/278, 264/1.6, 264/1.24, 264/1.28

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO

ISSUE-DATE

PATENTEE-NAME

US-CL

<input type="checkbox"/>	<u>3175988</u>	March 1965	Berns	260/29.6
<input type="checkbox"/>	<u>3599418</u>	August 1971	Hill	57/164
<input type="checkbox"/>	<u>3617353</u>	November 1971	Cooney	117/76T
<input type="checkbox"/>	<u>3853605</u>	December 1974	Fahey	117/126GB
<input type="checkbox"/>	<u>3862074</u>	January 1975	Hickey	260/29.6NR
<input type="checkbox"/>	<u>4009317</u>	February 1977	Chase et al.	428/378
<input type="checkbox"/>	<u>4029623</u>	June 1977	Maaghul	260/29.6RW
<input type="checkbox"/>	<u>4038243</u>	July 1977	Maaghul	260/40R
<input type="checkbox"/>	<u>4049865</u>	September 1977	Maaghul	428/391
<input type="checkbox"/>	<u>4060658</u>	November 1977	Lin et al.	428/378
<input type="checkbox"/>	<u>4066591</u>	January 1978	Scriven et al.	260/29.2TN
<input type="checkbox"/>	<u>4107120</u>	August 1978	Plamondon et al.	260/29.6RB
<input type="checkbox"/>	<u>4137209</u>	January 1979	Wong et al.	260/29.6NR
<input type="checkbox"/>	<u>4143091</u>	March 1979	Chang et al.	260/859R
<input type="checkbox"/>	<u>4147555</u>	April 1979	Cohen et al.	106/99
<input type="checkbox"/>	<u>4164485</u>	August 1979	Girgis	260/5
<input type="checkbox"/>	<u>4181769</u>	January 1980	Plamondon et al.	428/253
<input type="checkbox"/>	<u>4188421</u>	February 1980	Matsuura et al.	427/385A
<input type="checkbox"/>	<u>4208494</u>	June 1980	Chang et al.	525/440
<input type="checkbox"/>	<u>4208495</u>	June 1980	Chang et al.	525/440
<input type="checkbox"/>	<u>4239800</u>	December 1980	Girgis	428/374
<input type="checkbox"/>	<u>4263362</u>	April 1981	Straka	428/258
<input type="checkbox"/>	<u>4291095</u>	September 1981	Chase et al.	428/391
<input type="checkbox"/>	<u>4316929</u>	February 1982	McIntire et al.	428/262
<input type="checkbox"/>	<u>4374177</u>	February 1983	Hsu et al.	428/392
<input type="checkbox"/>	<u>4382991</u>	May 1983	Pollman	428/391
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<input type="checkbox"/>	<u>4454285</u>	June 1984	Bijen	524/5
<input type="checkbox"/>	<u>4473616</u>	September 1984	Rademacher	428/251
<input type="checkbox"/>	<u>4576987</u>	March 1986	Crockatt et al.	524/487
<input type="checkbox"/>	<u>4657804</u>	April 1987	Mays et al.	428/212
<input type="checkbox"/>	<u>4663231</u>	May 1987	Girgis et al.	428/378
<input type="checkbox"/>	<u>4728573</u>	March 1988	Temple	428/378
<input type="checkbox"/>	<u>4762750</u>	August 1988	Girgis et al.	428/378
<input type="checkbox"/>	<u>4762751</u>	August 1988	Girgis et al.	428/378
<input type="checkbox"/>	<u>4795678</u>	January 1989	Girgis	428/391
<input type="checkbox"/>	<u>4948829</u>	August 1990	Mitsuji et al.	
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<input type="checkbox"/> 5182784	January 1993	Hager et al.	385/128
<input type="checkbox"/> 5197202	March 1993	Jensen	
<input type="checkbox"/> 5319003	June 1994	Gomez et al.	
<input type="checkbox"/> 5385756	January 1995	Lofton	427/389.9

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0 356 655	March 1990	EP	
2340389	October 1977	FR	
51-043119	November 1976	JP	
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62-236831	October 1987	JP	
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WO 94/15884	July 1994	WO	

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Kirk-Othmer Encyclopedia of Chemical Technology, vol. 1 (1963) at pp. 203-205, 259-297, 305-307; vol. 19 at pp. 90-95; vol. 21 at pp. 56-69.

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Nemours.

"Raw Material Specification for Wire and Cable Products", Natural Code No. 38-09-XX, p. 8. Bulletin of Superior Cable Corporation.

ART-UNIT: 174

PRIMARY-EXAMINER: Dixon; Merrick

ATTY-AGENT-FIRM: Cannoni; Ann Marie Siminerio; Andrew C.

ABSTRACT:

The present invention provides an optical fiber cable assembly including an optical fiber and a reinforcement strand including a plurality of sized glass fibers positioned about the optical fiber, the strand having thereon a dried residue of a secondary aqueous coating composition which is essentially free of a urethane-containing material and includes a first polymer prepared by vinyl addition polymerization of a first monomer component including a first vinyl aromatic monomer and an acrylic monomer and a second polymer different from the first polymer, the second polymer being prepared by vinyl addition polymerization of a second monomer component including a curable polymer of a second vinyl aromatic monomer, wherein the surface of the strand wicks water at a rate of less than about 25.4 millimeters (one inch) in about six hours at a temperature of about 25.degree. C. A method of reducing the wicking of water along the surface of a glass fiber strand is also provided.

17 Claims, 2 Drawing figures

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- ☐ 11. 5413789. 17 May 93; 09 May 95. Antimicrobial composition of aluminosilicate coated silica gel. Hagiwara; Zenji, et al. 424/409; 424/401 424/405 424/489 424/618 424/630 424/641 424/644 424/650 424/652 424/653 424/654 424/655. A01N025/26.
- ☐ 12. 5298252. 29 Aug 91; 29 Mar 94. Antimicrobial composition having resistance to heat and weathers. Hagiwara; Zenji, et al. 424/409; 424/489 424/497 424/630 424/641 424/646 424/652 424/653 424/684 428/198 428/403 556/10. A01N025/08 B32B005/16.
- ☐ 13. 5244667. 28 Feb 91; 14 Sep 93. Silica-gel based antimicrobial composition having an antimicrobial coat of aluminosilicate on the surface of silica gel. Hagiwara; Zenji, et al. 424/409; 424/489 424/618 424/630 424/641 424/644 424/650 424/652 424/653 424/654 424/655. A01N025/26 A01N059/16.
- ☐ 14. 5085784. 27 Nov 90; 04 Feb 92. Use of cationic charge modified filter media. Ostreicher; Eugene A.. 210/767; B01D037/00.
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- ☐ 16. 4981591. 07 Apr 89; 01 Jan 91. Cationic charge modified filter media. Ostreicher; Eugene A.. 210/502.1; 162/164.3 162/164.6 162/181.6 162/183 210/504 210/505 210/508. B01D039/18.
- ☐ 17. 4511473. 09 Feb 82; 16 Apr 85. Fibrous media containing millimicron-sized particulates. Hou; Kenneth C.. 210/348; 210/496 210/502.1 210/505. B01D039/04 B01D039/06.
- ☐ 18. 4488969. 06 Dec 83; 18 Dec 84. Fibrous media containing millimicron-sized particulates. Hou; Kenneth C.. 210/679; 210/692. B01D015/00.
- ☐ 19. 3660281. 02 May 72. PERMEATION SEPARATION MEMBRANES. TOBER FRANK WILLIAM. 210/651; 210/321.89 210/321.9 210/500.23 210/500.38 210/653.
- ☐ 20. 3592679. 13 Jul 71. SURFACE TREATMENT OF POLYMERIC MATERIALS. COCHRANE HECTOR; TULLY PAUL R ; FLETCHER WILLIAM J. 428/206; 428/323 428/328.

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Terms	Documents
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- ☐ 21. 3558420. 26 Jan 71. HOLLOW FILAMENTS. OPFELL JAMES E. 428/398; 264/171.26 264/171.28 264/172.13 264/172.17 264/172.18 264/177.14 264/53 428/475.2.
- ☐ 22. 3520949. 21 Jul 70. HYDROPHILIC POLYMERS,ARTICLES AND METHODS OF MAKING SAME. SHEPHERD THOMAS H; GOULD FRANCIS E. 525/426; 131/274 131/332 260/998.11 351/160R 351/162 521/134 521/64 521/905 525/193 525/255 525/263 525/284 525/479 525/502 525/531 525/930 525/934 525/937.
- ☐ 23. 3427190. 11 Feb 69. PROCESS FOR FORMING A CORROSION RESISTANT EPOXY RESIN COATING ON A METAL SURFACE. MURDOCK ROBERT E. 427/142; 523/177 523/455 528/123.
- ☐ 24. 3407252. 22 Oct 68. Process for preparing filters having a microporous layer attached thereto. PALL DAVID B; KEEDWELL CYRIL A. 264/131; 210/493.5 264/286 264/294.
- ☐ 25. 3353682. 21 Nov 67. Fluid-permeable fibrous multilayer materials and process of making the same. PALL DAVID B; KEEDWELL CYRIL A. 210/505; 162/131 427/419.2.
- ☐ 26. 3327859. 27 Jun 67. Portable unit for potable water. PALL DAVID B. 210/266; 210/282 210/314 210/459 210/501 210/502.1.
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- ☐ 28. 3188228. 08 Jun 65. Method of graft polymerizing an organic compound to a solid shaped condensation polymer structure. EDWARD MAGAT EUGENE; DAVID TANNER. 427/501; 307/132E 427/400 427/513 427/525 522/144 525/426 525/445 8/115.52 8/539 8/DIG.18 8/DIG.21.
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- ☐ 30. 3094433. 18 Jun 63. Elastomeric foam haivng its pore walls coated with fir ous boehmite. JOHN BUGOSH; FARR OZARD EMMETTE. 521/55; 521/148 521/150 521/172.

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Terms	Documents
(pesticid\$ or microbi\$ or insecticid\$ or bacteri\$ or fungicid\$) and L9	32

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☐ 31. [3036950](#). 29 May 62. Process for incorporating resins into paper. MARTIN RAY C. 162/165; 162/145 162/146 162/168.5 162/169 162/182 524/35.

☐ 32. [3013901](#). 19 Dec 61. Article coated with fibrous boehmite. JOHN BUGOSH. 442/136; 264/DIG.17 428/404 428/480 428/500 428/522 428/702 65/111 65/30.1 65/60.51.

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Terms	Documents
(pesticid\$ or microbi\$ or insecticid\$ or bacteri\$ or fungicid\$) and L9	32

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Search Results - Record(s) 1 through 10 of 32 returned.

☐ 1. Document ID: US 6051315 A

Using default format because multiple data bases are involved.

L10: Entry 1 of 32

File: USPT

Apr 18, 2000

US-PAT-NO: 6051315

DOCUMENT-IDENTIFIER: US 6051315 A

TITLE: Optical fiber cable assembly and method of reducing water wicking in the same

DATE-ISSUED: April 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Girgis; Mikhail M.	Wexford	PA		

US-CL-CURRENT: 428/377; 428/36.3, 428/378, 428/380

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Ds
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☐ 2. Document ID: US 6004676 A

L10: Entry 2 of 32

File: USPT

Dec 21, 1999

US-PAT-NO: 6004676

DOCUMENT-IDENTIFIER: US 6004676 A

**** See image for Certificate of Correction ****

TITLE: Optical fiber cable assembly

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Ds
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☐ 3. Document ID: US 5925462 A

L10: Entry 3 of 32

File: USPT

Jul 20, 1999

US-PAT-NO: 5925462

DOCUMENT-IDENTIFIER: US 5925462 A

TITLE: Aqueous coating compositions for glass fibers, fiber strands coated with

such compositions and optical fiber cable assemblies including such fiber strands

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 4. Document ID: US 5910136 A

L10: Entry 4 of 32

File: USPT

Jun 8, 1999

US-PAT-NO: 5910136

DOCUMENT-IDENTIFIER: US 5910136 A

TITLE: Oriented polymeric microporous films with flexible polyolefins

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 5. Document ID: US 5856245 A

L10: Entry 5 of 32

File: USPT

Jan 5, 1999

US-PAT-NO: 5856245

DOCUMENT-IDENTIFIER: US 5856245 A

**** See image for Certificate of Correction ****

TITLE: Articles of barrier webs

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 6. Document ID: US 5827612 A

L10: Entry 6 of 32

File: USPT

Oct 27, 1998

US-PAT-NO: 5827612

DOCUMENT-IDENTIFIER: US 5827612 A

**** See image for Certificate of Correction ****

TITLE: Aqueous coating compositions for glass fibers, fiber strands coated with such compositions and optical fiber cable assemblies including such fiber strands

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 7. Document ID: US 5803086 A

L10: Entry 7 of 32

File: USPT

Sep 8, 1998

US-PAT-NO: 5803086

DOCUMENT-IDENTIFIER: US 5803086 A

TITLE: Linerless surgical incise drape

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 8. Document ID: US 5748437 A

L10: Entry 8 of 32

File: USPT

May 5, 1998

US-PAT-NO: 5748437

DOCUMENT-IDENTIFIER: US 5748437 A

TITLE: Fluid separation system with flow-through capacitor

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 9. Document ID: US 5547581 A

L10: Entry 9 of 32

File: USPT

Aug 20, 1996

US-PAT-NO: 5547581

DOCUMENT-IDENTIFIER: US 5547581 A

TITLE: Method of separating ionic fluids with a flow through capacitor

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 10. Document ID: US 5415768 A

L10: Entry 10 of 32

File: USPT

May 16, 1995

US-PAT-NO: 5415768

DOCUMENT-IDENTIFIER: US 5415768 A

TITLE: Flow-through capacitor

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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Terms	Documents
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L14: Entry 17 of 34

File: USPT

Sep 22, 1998

US-PAT-NO: 5811311

DOCUMENT-IDENTIFIER: US 5811311 A

TITLE: Metal chelate containing compositions for use in chemiluminescent assays

DATE-ISSUED: September 22, 1998

US-CL-CURRENT: 436/518; 252/301.16, 252/301.35, 252/700, 435/7.1, 435/968, 436/172,
436/533APPL-NO: 08/ 488228 [PALM]

DATE FILED: June 7, 1995

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS This is a divisional of application Ser. No. 08/156,181, filed Nov. 22, 1993, now U.S. Pat. No. 5,578,498, which in turn is a continuation-in-part of application Ser. No. 07/704,569, filed May 22, 1991, the disclosures of which are incorporated herein.

First Hit Fwd Refs

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L14: Entry 18 of 34

File: USPT

Jul 14, 1998

US-PAT-NO: 5780646

DOCUMENT-IDENTIFIER: US 5780646 A

TITLE: Cyclic ether compounds

DATE-ISSUED: July 14, 1998

US-CL-CURRENT: 549/14APPL-NO: 08/ 660029 [PALM]

DATE FILED: June 6, 1996

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS This a continuation of application Ser. No. 08/471,131, filed Jun. 6, 1995, now U.S. Pat. No. 5,536,834, which in turn is a divisional of application Ser. No. 08/156,181, filed Nov. 22, 1993, now U.S. Pat. No. 5,578,498, which in turn is a continuation-in-part of application Ser. No. 07/704,569, filed May 22, 1991, the disclosures of which are incorporated herein.

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L14: Entry 19 of 34

File: USPT

Mar 24, 1998

US-PAT-NO: 5730922

DOCUMENT-IDENTIFIER: US 5730922 A

TITLE: Resin transfer molding process for composites

DATE-ISSUED: March 24, 1998

US-CL-CURRENT: 264/258; 264/257APPL-NO: 08/ 679324 [\[PALM\]](#)

DATE FILED: July 12, 1996

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS This invention is a divisional of application U.S. Ser. No. 08/373,163, filed Jan. 17, 1995, now abandoned; which is a Continuation-In-Part of U.S. application Ser. No. 08/077,472, filed Jun. 15, 1993 and issued as U.S. Pat. No. 5,409,777; which is a divisional of U.S. application Ser. No. 07/625,588, filed Dec. 10, 1990 and issued as U.S. Pat. No. 5,246,782.

[First Hit](#) [Fwd Refs](#)

Generate Collection

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L14: Entry 21 of 34

File: USPT

Nov 18, 1997

US-PAT-NO: 5688860

DOCUMENT-IDENTIFIER: US 5688860 A

TITLE: Polyurethane/polyurea elastomers

DATE-ISSUED: November 18, 1997

US-CL-CURRENT: 524/710; 521/122, 521/56, 521/59, 521/76, 523/218, 523/219, 524/127,
524/270, 524/284, 524/306, 524/312, 524/313, 524/315, 524/474, 524/476, 524/481,
524/485, 524/590, 524/66, 524/705, 524/764, 524/773, 524/874 , 525/123, 525/125,
525/126, 525/130, 525/131, 525/329.3, 525/331.9, 525/332.5, 525/332.8, 525/333.2,
525/440, 525/455, 525/75, 525/85, 528/55

APPL-NO: 08/ 572384 [PALM]

DATE FILED: December 14, 1995

PARENT-CASE:

This is a continuation of Application No. 07/904,841 filed Jun. 26, 1992 now abandoned.

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L14: Entry 22 of 34

File: USPT

Sep 23, 1997

US-PAT-NO: 5670590

DOCUMENT-IDENTIFIER: US 5670590 A

TITLE: Energy polymerizable compositions, homopolymers and copolymers of oxazolines

DATE-ISSUED: September 23, 1997

US-CL-CURRENT: 526/171; 522/169, 526/170, 526/210, 526/260APPL-NO: 08/ 238912 [PALM]

DATE FILED: May 6, 1994

First Hit Fwd Refs

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L14: Entry 23 of 34

File: USPT

Mar 25, 1997

US-PAT-NO: 5614568

DOCUMENT-IDENTIFIER: US 5614568 A

TITLE: Antibacterial resin composition

DATE-ISSUED: March 25, 1997

US-CL-CURRENT: 523/122; 523/310, 524/403, 524/407, 524/408, 524/413, 524/414,
524/415, 524/417, 524/424, 524/430, 524/431, 524/432, 524/433, 524/434, 524/435,
524/436, 524/440

APPL-NO: 08/ 446304 [PALM]

DATE FILED: May 22, 1995

PARENT-CASE:

This application is a Continuation of application Ser. No. 08/171,151, filed on
Dec. 22, 1993, now abandoned.

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	4-358363	December 25, 1992

First Hit Fwd Refs

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L14: Entry 27 of 34

File: USPT

Apr 21, 1992

US-PAT-NO: 5106875

DOCUMENT-IDENTIFIER: US 5106875 A

TITLE: Copolymers and their use as auxiliaries and/or additives in formulations for the preparation of polyisocyanate addition polymerization products

DATE-ISSUED: April 21, 1992

US-CL-CURRENT: 521/137; 516/56, 516/60, 516/62, 516/68, 516/69, 521/122, 521/128,
525/39, 525/440, 525/445, 528/52, 528/75

DISCLAIMER DATE: 20081022

APPL-NO: 07/ 430608 [PALM]

DATE FILED: November 1, 1989

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
DE	3838031	November 9, 1988

[First Hit](#) [Fwd Refs](#)

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Print

L14: Entry 29 of 34

File: USPT

Oct 22, 1991

US-PAT-NO: 5059632

DOCUMENT-IDENTIFIER: US 5059632 A

TITLE: Novel copolymers and their use as auxiliaries and/or additives in .
formulations for the preparation of polyisocyanate addition polymerization products

DATE-ISSUED: October 22, 1991

US-CL-CURRENT: 521/137; 264/157, 507/225, 507/226, 507/936, 516/56, 516/60, 516/62,
516/68, 516/69, 528/75

APPL-NO: 07/ 430607 [PALM]

DATE FILED: November 1, 1989

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
DE	3838030	November 9, 1988

[First Hit](#) [Fwd Refs](#)

Generate Collection

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L14: Entry 31 of 34

File: USPT

Apr 8, 1986

US-PAT-NO: 4581387

DOCUMENT-IDENTIFIER: US 4581387 A

TITLE: Internal release agents for polyisocyanate addition polymerization, their use in the preparation of cellular, microcellular, and noncellular polyurethane-polyurea molded parts having improved demolding properties

DATE-ISSUED: April 8, 1986

US-CL-CURRENT: 521/128; 252/182.18, 252/182.28, 521/109.1, 521/130, 528/42, 528/44, 528/74.5

APPL-NO: 06/ 701128 [PALM]

DATE FILED: February 13, 1985

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
DE	3405875	February 18, 1984

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 10 of 34 returned.

☒ 1. Document ID: US 6692975 B2

Using default format because multiple data bases are involved.

L14: Entry 1 of 34

File: USPT

Feb 17, 2004

US-PAT-NO: 6692975

DOCUMENT-IDENTIFIER: US 6692975 B2

TITLE: Metal chelate containing compositions for use in chemiluminescent assays

DATE-ISSUED: February 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Singh; Sharat	San Jose	CA		
Ullman; Edwin F.	Atherton	CA		

US-CL-CURRENT: 436/534, 252/301.16, 252/301.33, 252/301.4R, 252/700, 436/533,
436/544, 436/546, 436/805

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 2. Document ID: US 6669391 B2

L14: Entry 2 of 34

File: USPT

Dec 30, 2003

US-PAT-NO: 6669391

DOCUMENT-IDENTIFIER: US 6669391 B2

TITLE: Cleaning composition, pad, wipe, implement, and system and method of use thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 3. Document ID: US 6664439 B1

L14: Entry 3 of 34

File: USPT

Dec 16, 2003

US-PAT-NO: 6664439

DOCUMENT-IDENTIFIER: US 6664439 B1

TITLE: Absorbent articles with distribution materials positioned underneath storage material

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw. De
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☐ 4. Document ID: US 6663306 B2

L14: Entry 4 of 34

File: USPT

Dec 16, 2003

US-PAT-NO: 6663306

DOCUMENT-IDENTIFIER: US 6663306 B2

TITLE: Cleaning composition, pad, wipe, implement, and system and method of use thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw. De
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☐ 5. Document ID: US 6610351 B2

L14: Entry 5 of 34

File: USPT

Aug 26, 2003

US-PAT-NO: 6610351

DOCUMENT-IDENTIFIER: US 6610351 B2

TITLE: Raman-active taggants and their recognition

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw. De
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☐ 6. Document ID: US 6590136 B1

L14: Entry 6 of 34

File: USPT

Jul 8, 2003

US-PAT-NO: 6590136

DOCUMENT-IDENTIFIER: US 6590136 B1

TITLE: Absorbent members for absorbing body liquids

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw. De
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☐ 7. Document ID: US 6586501 B1

L14: Entry 7 of 34

File: USPT

Jul 1, 2003

US-PAT-NO: 6586501

DOCUMENT-IDENTIFIER: US 6586501 B1

TITLE: Aggregates having attached polymer groups and polymer foams

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw. De
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☐ 8. Document ID: US 6570057 B1

L14: Entry 8 of 34

File: USPT

May 27, 2003

US-PAT-NO: 6570057

DOCUMENT-IDENTIFIER: US 6570057 B1

TITLE: Absorbent articles with improved distribution properties under sur-
saturation

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 9. Document ID: US 6551295 B1

L14: Entry 9 of 34

File: USPT

Apr 22, 2003

US-PAT-NO: 6551295

DOCUMENT-IDENTIFIER: US 6551295 B1

TITLE: Absorbent structures comprising fluid storage members with improved ability
to dewater acquisition/distribution members

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 10. Document ID: US 6544596 B2

L14: Entry 10 of 34

File: USPT

Apr 8, 2003

US-PAT-NO: 6544596

DOCUMENT-IDENTIFIER: US 6544596 B2

TITLE: Method of coating a substrate using a thermosetting basecoat composition and
a thermoplastic top coat composition

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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Terms	Documents
L13 and (sulfone adj amide or sulfonic adj acid adj ester or carboxylic adj acid adj ester or carboxylic adj acid adj amide) and L13	34

Display Format: -

Change Format

Hit List

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Search Results - Record(s) 11 through 20 of 34 returned.

☒ 11. Document ID: US 6372953 B1

Using default format because multiple data bases are involved.

L14: Entry 11 of 34

File: USPT

Apr 16, 2002

US-PAT-NO: 6372953

DOCUMENT-IDENTIFIER: US 6372953 B1

TITLE: Absorbent members comprising a high surface area material for absorbing body liquids

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Young; Gerald A.	Cincinnati	OH		
Desmarais; Thomas A.	Cincinnati	OH		
Palumbo; Gianfranco	Bad Homburg			DE
Schmidt; Mattias	Idstein			DE
Goldman; Stephen A.	Pescara			IT
Ashraf; Arman	Cincinnati	OH		
Horney; James C.	Cincinnati	OH		

US-CL-CURRENT: 604/369; 604/375, 604/385.23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Claims	RWC	Draw. De
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☐ 12. Document ID: US 6340599 B1

L14: Entry 12 of 34

File: USPT

Jan 22, 2002

US-PAT-NO: 6340599

DOCUMENT-IDENTIFIER: US 6340599 B1

TITLE: Metal chelate containing compositions for use in chemiluminescent assays

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Claims	RWC	Draw. De
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☐ 13. Document ID: US 6180354 B1

L14: Entry 13 of 34

File: USPT

Jan 30, 2001

US-PAT-NO: 6180354

DOCUMENT-IDENTIFIER: US 6180354 B1

TITLE: Metal chelate containing compositions for use in chemiluminescent assays

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw. De
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☐ 14. Document ID: US 6127191 A

L14: Entry 14 of 34

File: USPT

Oct 3, 2000

US-PAT-NO: 6127191

DOCUMENT-IDENTIFIER: US 6127191 A

TITLE: Aminobenzenedicarboxylic acid-based combinatorial libraries

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw. De
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☐ 15. Document ID: US 6107538 A

L14: Entry 15 of 34

File: USPT

Aug 22, 2000

US-PAT-NO: 6107538

DOCUMENT-IDENTIFIER: US 6107538 A

TITLE: Absorbent members for absorbing body liquids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw. De
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☐ 16. Document ID: US 6030546 A

L14: Entry 16 of 34

File: USPT

Feb 29, 2000

US-PAT-NO: 6030546

DOCUMENT-IDENTIFIER: US 6030546 A

TITLE: Trans-olefin compounds, method for production thereof, liquid crystal composition containing the same as active ingredient, and liquid crystal element using said composition

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw. De
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☐ 17. Document ID: US 5811311 A

L14: Entry 17 of 34

File: USPT

Sep 22, 1998

US-PAT-NO: 5811311

DOCUMENT-IDENTIFIER: US 5811311 A

TITLE: Metal chelate containing compositions for use in chemiluminescent assays

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 18. Document ID: US 5780646 A

L14: Entry 18 of 34

File: USPT

Jul 14, 1998

US-PAT-NO: 5780646

DOCUMENT-IDENTIFIER: US 5780646 A

TITLE: Cyclic ether compounds

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 19. Document ID: US 5730922 A

L14: Entry 19 of 34

File: USPT

Mar 24, 1998

US-PAT-NO: 5730922

DOCUMENT-IDENTIFIER: US 5730922 A

TITLE: Resin transfer molding process for composites

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 20. Document ID: US 5707547 A

L14: Entry 20 of 34

File: USPT

Jan 13, 1998

US-PAT-NO: 5707547

DOCUMENT-IDENTIFIER: US 5707547 A

TITLE: Trans-olefin compounds, method for production thereof, liquid crystal composition containing the same as active ingredient, and liquid crystal element using said composition

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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Terms	Documents
L13 and (sulfone adj amide or sulfonic adj acid adj ester or carboxylic adj acid adj ester or carboxylic adj acid adj amide) and L13	34